

Office of Academic Affairs
Tarleton State University
Date Prepared: 12/1/08
Dates Revised:

Master Course Syllabus Outline

Department: Management, Marketing & Administrative Systems
Course Prefix/Number: GB 311
Course Title: Business Statistics
Master Syllabus Approved by Department on: 12/1/08

- I. Catalog Description: Methods of sampling, classifying, analyzing, and presenting numerical data; frequency distribution, averages, dispersion, time series analysis, correlation, and forecasting for business purposes.
- II. Prerequisites: Junior classification.
- III. Expanded Course Description: This course will introduce students to the use of statistical tools and techniques for business related purposes. The emphasis of the course will be the analysis of data using statistics to assist with business problem solutions. The course will utilize problems requiring the use of statistical methodologies presented in class. Lectures and texts will be employed with the problem assignments complementing classroom coverage of each statistics topic. Descriptive statistics will be the focus of the course with an abbreviated introduction to inferential statistics offered. This course will fulfill the math requirement for most degrees offered within the Department of Management, Marketing and Administrative Systems.
- IV. Intended Student Outcomes:

At the conclusions of the course the student will achieve the following:
 - a) Knowledge outcomes:
 - 1) Define role statistics plays in forming business decisions.
 - 2) Describe various data collection and presentation methods.
 - 3) Describe role of probability in the aid of business decisions.
 - 4) Understand linear relationships and correlations of variables in business applications.
 - b) Skill outcomes:
 - 1) Prepare and perform analysis of data through common description measures.
 - 2) Perform basic probability concepts making use of contingency tables.
 - 3) Perform analysis using both discrete and continuous probability

distributions.

- 4) Analyze importance of Central Limit Theorem in business applications.
- 5) Evaluate business claims through use of confidence intervals, sample size and hypothesis testing.
- 6) Utilize correlation and linear regression in business applications.

V. Unless otherwise stipulated in this master syllabus by the department, the following items are subject to faculty discretion as described in each faculty member's individual course outline/syllabus:

- a) Course Requirements
- b) Required Text(s)
- c) Bibliography

VI. Academic Honesty: Cheating, plagiarism (submitting another person's materials or ideas as one's own), or doing work for another person who will receive academic credit are all-impermissible. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the unauthorized copying of examinations, assignments, reports, or term papers, or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.

VII. Students With Disabilities Policy: It is the policy of Tarleton State University to comply with the Americans with Disabilities Act (ADA) and other federal, state, and local laws relative to the provision of disability services. Students with disabilities attending Tarleton State University may contact the Office of Disability Services at (254) 968-9478 to request appropriate accommodation. Furthermore, formal accommodation requests cannot be made until the student has been officially admitted to Tarleton State University.

Department Head Signature/Date:

Signature

____/____/_____
Date